



## ААБл 3x95+1x50-1 ТУ У 27.3-00214534-091:2017

Power cables with aluminium conductors, with impregnated paper insulation, aluminium-sheathed, steel-tape armoured

Cables are used for laying:

- *in soil (trenches) with medium corrosiveness without vagabond currents*
- *with a risk of mechanical damage and no tensile forces in operation*

### TECHNICAL SPECIFICATIONS

|  |                 |                                     |
|--|-----------------|-------------------------------------|
| Rated voltage  | kV              | 1                                   |
| Number and rated area of conductors  | mm <sup>2</sup> | 3 x 95 + 1 x 50                     |
| Insulation thickness between conductors                                      | mm              | 1.5                                 |
| Insulation thickness of conductor-sheath                                     | mm              | 1.25                                |
| Sheath thickness   | mm              | 1.4                                 |
| Permissible continuous current rating *                                      |                 |                                     |
| • <i>by aerial laying</i>  | A               | 218                                 |
| • <i>by burial</i>   | A               | 219                                 |
| Operating temperature range  | °C              | -50 ... +50                         |
| Minimum bending radius by laying   | mm              | 1050                                |
| Level difference along the laying rout, not more than                        | m               | 25                                  |
| Metal sheath outer diameter (for reference only)                             | mm              | 31                                  |
| Rated outer diameter of the cable (for reference) **                         | mm              | 42                                  |
| Cable weight (approximate)   | kg/km           | 2810                                |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t            | # 16a: 570 • 1.9<br># 18: 660 • 2.3 |

Notes:

*When ordering it is necessary to agree the factory length of the product with the manufacturer*

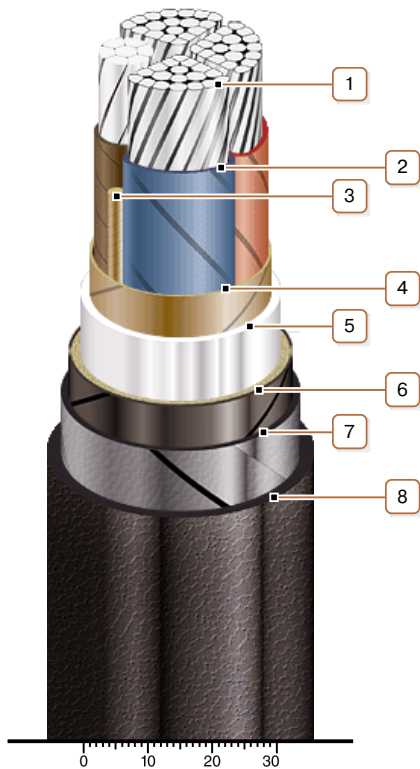
*\* Long permissible current loads are calculated for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K·m/W, laying depth in the soil 0.7 m*

*\*\* The external diameter may differ from the rated up to ± 10 %*



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### CONSTRUCTION

1. Aluminium multiwire compacted conductor
2. Impregnated paper insulation
3. Cable paper bundle
4. Belt insulation
5. Aluminium sheath
6. Single-layer plastic-tape bedding
7. Double steel-tape armour
8. Outer covering

Note: Conductor twisting is not illustrated